

FEMA

**HURRICANE KATRINA SURGE INUNDATION  
and  
ADVISORY BASE FLOOD ELEVATION MAP  
Harrison County, MS**

Date of Event: August 29, 2005

Date of Map: January 6, 2006

Map Number: MS-J18

**Estimated Katrina Surge Elevations<sup>1,2</sup>**

**18-19 ft**

**Advisory Base Flood Elevations<sup>2,3</sup>**

**Open Coast: N/A**

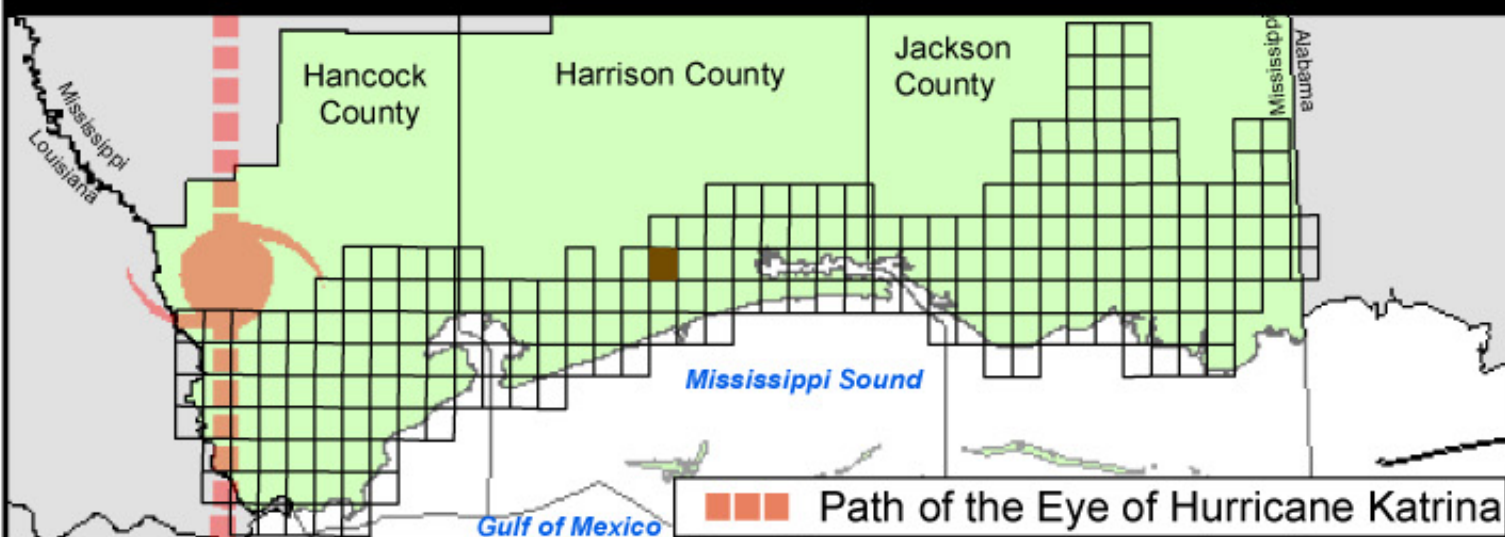
**Back Bay: 16-24 ft**

**Effective Base Flood Elevations<sup>2</sup>**

**VE Zone: N/A**

**AE Zone: N/A**

**OVERVIEW MAP**



**Data Sources:**

**Aerial Imagery:** USDA, National Agriculture Imagery Program, 2004

**Flood Zones and Elevations:** FEMA Flood Insurance Rate Maps (Hancock Co., MS, [1983-1992]; Harrison Co., MS [1984-2002]; Jackson Co. [1984-1993]). Elevations converted from NGVD29 to NAVD88.

**High Water Marks:** FEMA (Identified and surveyed Sept-Oct., 2005)

**Storm Track:** NOAA National Weather Service

For more information on these advisory maps, please see [www.fema.gov/hazards/floods/recoverydata/katrina\\_index.shtml](http://www.fema.gov/hazards/floods/recoverydata/katrina_index.shtml)



0 500 1,000 1,500 2,000  
Feet

**LEGEND**

State Boundary County Boundary

**Flood Advisory-Related Data**

**Hurricane Katrina-Related Data**

Preliminary Indoor High Water Mark<sup>2</sup>

Preliminary Outdoor High Water Mark<sup>2</sup>

Preliminary Debris High Water Mark<sup>2</sup>

Limit of Katrina Surge Inundation

ABFE Contours (1-foot intervals)<sup>3</sup>

ABFE Inland Limit<sup>3</sup>

Approx. Limit of 1.5-foot Wave Zone<sup>3</sup>

Approx. Limit of 3-foot Wave Zone<sup>3</sup>

Open Coast/Back Bay Boundary

Limit of ABFEs

**Notes:**

<sup>1</sup> Range estimated from surveyed, surge-only HWMs. Local wave effects (wave heights and wave runup) are not included in these elevations.

<sup>2</sup> Measured in feet relative to the North American Vertical Datum of 1988.

<sup>3</sup> Post-Hurricane Katrina Advisory Base Flood Elevations (ABFEs) are based on updated statistical information to develop the estimated 1%-annual-chance (100-year) stillwater elevations (SWELs) plus estimated wave effects. For Harrison County, MS, the advisory SWEL is 18 ft for the Gulf Coast and 16 ft for back-bay areas. See equation below to calculate the ABFE with wave effects for a given site:

ABFE = Advisory SWEL + Wave Height,  
where Wave Height = 1/2 Stillwater Flooding Depth (depth measured relative to the ground)

**MAPS FOR ADVISORY PURPOSES ONLY - NOT FOR INSURANCE RATING PURPOSES**

For insurance rating purposes, refer to the currently effective Flood Insurance Rate Map (FIRM), available from your local government or the FEMA Map Service Center (1-800-358-9616/ <http://msc.fema.gov>)